

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER NBU 921-2201CS			
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES			
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES			
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.						7. OPERATOR PHONE 720 929-6515			
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217						9. OPERATOR E-MAIL julie.jacobson@anadarko.com			
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 010950-A			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')			
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')			
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Indian Tribe			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>			

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	274 FSL 1635 FEL	SWSE	22	9.0 S	21.0 E	S
Top of Uppermost Producing Zone	747 FSL 1816 FEL	SWSE	22	9.0 S	21.0 E	S
At Total Depth	747 FSL 1816 FEL	SWSE	22	9.0 S	21.0 E	S

21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 747		23. NUMBER OF ACRES IN DRILLING UNIT 800	
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 943		26. PROPOSED DEPTH MD: 11096 TVD: 11053	
27. ELEVATION - GROUND LEVEL 4933		28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496	

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	11	8.625	0 - 2830	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
PROD	7.875	4.5	0 - 11096	11.6	HCP-110 LT&C	13.0	Premium Lite High Strength	340	3.38	12.0
							50/50 Poz	1580	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Laura Abrams		TITLE Regulatory Analyst II	PHONE 720 929-6356
SIGNATURE		DATE 05/01/2012	EMAIL Laura.Abrams@anadarko.com
API NUMBER ASSIGNED 43047526130000		APPROVAL Permit Manager	

**WELL LOCATION:
NBU 921-2201CS**
ELEV. UNGRADED GROUND = 4940.4'

Top Boundary:
 Left: N89°38.3'W - 40.044' (G.L.O.)
 Right: S89°50.6'W - 40.012' (G.L.O.)
 Right: N89°53'07"E - 2640.74' (Meas.)

Right Boundary:
 Top: N00°07'07"W - 2651.43' (Meas.)
 Bottom: N00°03'36"E (Basis of Bearings)
 2646.34' (Measured)
 Right: N0°01.1'E - 40.094'(G.L.O.)

Bottom Boundary:
 Left: N89°43'14"W - 2636.24' (Meas.)
 Right: N89°49'27"W - 2670.41' (Meas.)
 Right: N89°52.1'W - 40.461' (G.L.O.)

Left Boundary:
 Top: N0°00.1'W - 40.094' (G.L.O.)
 Bottom: N00°23'09"E - 2644.33' (Meas.)
 Left: N0°19.9'E - 40.067' (G.L.O.)

Well Details:
 - **Surface Position:**
 NAD 83 LATITUDE = 40.015055° (40° 00' 54.197")
 LONGITUDE = 109.534254° (109° 32' 03.315")
 NAD 27 LATITUDE = 40.015090° (40° 00' 54.323")
 LONGITUDE = 109.533566° (109° 32' 00.838")
 - **Bottom Hole:**
 NAD 83 LATITUDE = 40.016355° (40° 00' 58.878")
 LONGITUDE = 109.534899° (109° 32' 05.636")
 NAD 27 LATITUDE = 40.016390° (40° 00' 59.005")
 LONGITUDE = 109.534211° (109° 32' 03.159")
 - **Vertical Profile:**
 - Bottom of Hole to Well Surface Position: 747'
 - Well Surface Position to E/W Fence: 274'
 - Well Surface Position to Right Boundary: 1635'
 - Well Surface Position to Right Boundary (dashed line): 1816'

Found 2006 Aluminum Cap locations:
 - Near Fence Post (Top Left)
 - with Stone (Top Center)
 - in Pile of Stones (Top Right)
 - in Pile of Stones (Bottom Left)
 - with Stone Under E/W Fence (Bottom Center)
 - in Pile of Stones, near E/W Fence (Bottom Left)
 - in Pile of Stones Under E/W Fence (Bottom Right)

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
3. The Bottom of hole bears N20°49'24"W 507.14' from the Surface Position.
4. Bearings are based on Global Positioning Satellite observations.
5. Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

747' FSL, 1816' FEL (Bottom Hole)
SW $\frac{1}{4}$ SE $\frac{1}{4}$ OF SECTION 22, T9S, R21E,
S.L.B.&M., UINTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

11-08-11
No.6028691
JOHN R. LAUGH
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

DATE SURVEYED: 7-19-11	SURVEYED BY: W.W.	SHEET NO: 4 4 OF 18
DATE DRAWN: 8-22-11	DRAWN BY: T.J.R.	
SCALE: 1" = 1000'	Date Last Revised: 11-05-11	